

WHAT IS CLAIMED IS:

1. An organic light emitting diode comprising:
  - a substrate;
  - a transparent electrode;

5 at least two organic layers including a light emitting layer and an electron transporting layer; and

a back electrode,

wherein a thickness of the electron transporting layer is 60 nm or greater, and a total thickness of the electron

10 transporting layer and the light emitting layer is 90 nm or smaller.
2. The organic light emitting diode according to claim 1, wherein the transparent electrode has a thickness of 50 to

15 210 nm.

3. The organic light emitting diode according to claim 1, wherein the transparent electrode has a thickness of 160 to 200 nm.

20

4. The organic light emitting diode according to claim 1, wherein a total thickness of the at least two organic layers is 90 to 300 nm.

25

5. The organic light emitting diode according to claim

2, wherein a total thickness of the at least two organic layers is 90 to 300 nm.

6. The organic light emitting diode according to claim  
5 1, wherein a total thickness of the at least two organic layers is 150 to 250 nm.

7. The organic light emitting diode according to claim  
1, wherein a total thickness of the transparent electrode and  
10 the at least two organic layers is 250 to 400 nm.

8. The organic light emitting diode according to claim  
1, wherein a total thickness of the transparent electrode and  
the at least two organic layers is 300 to 350 nm.

15

9. The organic light emitting diode according to claim  
1, wherein the thickness of the electron transporting layer  
is 70 to 80 nm.

20 10. The organic light emitting diode according to claim  
1, wherein the total thickness of the electron transporting  
layer and the light emitting layer is 80 to 90 nm.

11. The organic light emitting diode according to claim  
25 1, wherein a thickness of the light emitting layer is 10 to

20 nm.

12. The organic light emitting diode according to claim 1, which has at least two light emitting layers different in 5 luminescence waveform in a side-by-side configuration.

13. The organic light emitting diode according to claim 2, which has at least two light emitting layers different in luminescence waveform in a side-by-side configuration.

10

40